

Monday, July 30, 2012

Attn: Mr. Darrick Jones Leggette, Brashears & Graham 6 Executive Drive Farmington CT 06030

Project ID: SATIN

Sample ID#s: BC14045 - BC14068

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 30, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:07/20/127:35Location Code:LBG-PCBReceived by:SW07/23/1216:17

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBC14045

Phoenix ID: BC14045

Project ID: SATIN

Client ID: N-166 (0-0.06)

RL/ **PQL** Units Date/Time Parameter Result By Reference Percent Solid 95 % 07/23/12 E160.3 JL Extraction for PCB Completed 07/23/12 BB/K SW3540C PCB (Soxhlet) PCB-1016 ND 0.34 07/26/12 MH 3540C/8082 mg/Kg PCB-1221 ND 0.34 07/26/12 MH 3540C/8082 mg/Kg PCB-1232 07/26/12 3540C/8082 ND 0.34 mg/Kg MH PCB-1242 ND 0.34 07/26/12 3540C/8082 mg/Kg 07/26/12 3540C/8082 PCB-1248 ND 0.34 mg/Kg MH 07/26/12 PCB-1254 ND 0.34 mg/Kg MH 3540C/8082 ND 07/26/12 3540C/8082 PCB-1260 0.34 mg/Kg МН 3540C/8082 PCB-1262 ND 0.34 07/26/12 МН mg/Kg PCB-1268 ND 0.34 mg/Kg 07/26/12 MH 3540C/8082 **QA/QC Surrogates** 07/26/12 % DCBP 96 % MH 30 - 150 % 30 - 150 % 117 % 07/26/12 MH % TCMX

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Client ID: N-166 (0-0.06)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director

July 30, 2012

Reviewed and Released by: Bobbi Aloisa, Vice President

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Analysis Report

July 30, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:07/20/127:50Location Code:LBG-PCBReceived by:SW07/23/1216:17

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBC14045

Phoenix ID: BC14046

Project ID: SATIN
Client ID: N-30 (1-2)

RL/

		IXL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	85		%	07/23/12	JL	E160.3
Extraction for PCB	Completed			07/23/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.39	mg/Kg	07/26/12	MH	3540C/8082
PCB-1221	ND	0.39	mg/Kg	07/26/12	MH	3540C/8082
PCB-1232	ND	0.39	mg/Kg	07/26/12	MH	3540C/8082
PCB-1242	ND	0.39	mg/Kg	07/26/12	MH	3540C/8082
PCB-1248	ND	0.39	mg/Kg	07/26/12	MH	3540C/8082
PCB-1254	ND	0.39	mg/Kg	07/26/12	MH	3540C/8082
PCB-1260	ND	0.39	mg/Kg	07/26/12	MH	3540C/8082
PCB-1262	ND	0.39	mg/Kg	07/26/12	MH	3540C/8082
PCB-1268	ND	0.39	mg/Kg	07/26/12	MH	3540C/8082
QA/QC Surrogates						
% DCBP	88		%	07/26/12	MH	30 - 150 %
% TCMX	81		%	07/26/12	MH	30 - 150 %

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Client ID: N-30 (1-2)

RL/

Parameter Result PQL Units Date/Time By Reference

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Analysis Report

July 30, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information **Custody Information** Date Time Collected by: Matrix: **SOLID** 07/20/12 8:00 Received by: Location Code: LBG-PCB SW 07/23/12 16:17

see "By" below Rush Request: Standard Analyzed by:

Laboratory Data

SDG ID: GBC14045

Phoenix ID: BC14047

SATIN Project ID:

P.O.#:

Client ID: N-27 (2-2.5)

RL/

Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	92		%	07/23/12	JL	E160.3
Extraction for PCB	Completed			07/23/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.36	mg/Kg	07/25/12	AW	3540C/8082
PCB-1221	ND	0.36	mg/Kg	07/25/12	AW	3540C/8082
PCB-1232	ND	0.36	mg/Kg	07/25/12	AW	3540C/8082
PCB-1242	ND	0.36	mg/Kg	07/25/12	AW	3540C/8082
PCB-1248	ND	0.36	mg/Kg	07/25/12	AW	3540C/8082
PCB-1254	ND	0.36	mg/Kg	07/25/12	AW	3540C/8082
PCB-1260	ND	0.36	mg/Kg	07/25/12	AW	3540C/8082
PCB-1262	ND	0.36	mg/Kg	07/25/12	AW	3540C/8082
PCB-1268	ND	0.36	mg/Kg	07/25/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	97		%	07/25/12	AW	30 - 150 %
% TCMX	92		%	07/25/12	AW	30 - 150 %

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Client ID: N-27 (2-2.5)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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July 30, 2012

FOR: Attn: Mr. Darrick Jones

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6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:07/20/128:20Location Code:LBG-PCBReceived by:SW07/23/1216:17

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data

SDG ID: GBC14045

Reference

Phoenix ID: BC14048

By

Date/Time

Project ID: SATIN
Client ID: N-42 (1-2)

Parameter Result PQL
Percent Solid 93

Percent Solid	93		%	07/23/12	JL	E160.3
Extraction for PCB	Completed			07/23/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/Kg	07/25/12	AW	3540C/8082
PCB-1221	ND	0.35	mg/Kg	07/25/12	AW	3540C/8082
PCB-1232	ND	0.35	mg/Kg	07/25/12	AW	3540C/8082
PCB-1242	ND	0.35	mg/Kg	07/25/12	AW	3540C/8082
PCB-1248	ND	0.35	mg/Kg	07/25/12	AW	3540C/8082
PCB-1254	ND	0.35	mg/Kg	07/25/12	AW	3540C/8082
PCB-1260	0.64	0.35	mg/Kg	07/25/12	AW	3540C/8082
PCB-1262	ND	0.35	mg/Kg	07/25/12	AW	3540C/8082
PCB-1268	ND	0.35	mg/Kg	07/25/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	112		%	07/25/12	AW	30 - 150 %
% TCMX	100		%	07/25/12	AW	30 - 150 %

Units

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Client ID: N-42 (1-2)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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July 30, 2012

FOR: Attn: Mr. Darrick Jones

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6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:07/20/128:35Location Code:LBG-PCBReceived by:SW07/23/1216:17

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data

SDG ID: GBC14045

Phoenix ID: BC14049

Project ID: SATIN
Client ID: N-40 (0-1)

P.O.#:

RL/ **PQL** Units Date/Time Parameter Result By Reference Percent Solid 92 % 07/23/12 E160.3 JL Extraction for PCB Completed 07/23/12 BB/K SW3540C PCB (Soxhlet) PCB-1016 ND 0.35 07/25/12 MH 3540C/8082 mg/Kg PCB-1221 ND 0.35 07/25/12 MH 3540C/8082 mg/Kg PCB-1232 07/25/12 3540C/8082 ND 0.35 mg/Kg MH PCB-1242 ND 0.35 07/25/12 3540C/8082 mg/Kg ND 07/25/12 3540C/8082 PCB-1248 0.35 mg/Kg MH PCB-1254 ND 0.35 mg/Kg 07/25/12 MH 3540C/8082 3 07/25/12 3540C/8082 PCB-1260 0.35 mg/Kg МН 3540C/8082 PCB-1262 ND 0.35 07/25/12 МН mg/Kg PCB-1268 ND 0.35 mg/Kg 07/25/12 MH 3540C/8082 **QA/QC Surrogates** 07/25/12 % DCBP 93 % MH 30 - 150 % 79 % 07/25/12 MH 30 - 150 % % TCMX

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Client ID: N-40 (0-1)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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July 30, 2012

FOR: Attn: Mr. Darrick Jones

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6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:07/20/128:45Location Code:LBG-PCBReceived by:SW07/23/1216:17

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data

SDG ID: GBC14045

Phoenix ID: BC14050

Project ID: SATIN
Client ID: N-52 (1-2)

P.O.#:

RL/

		IXL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	86		%	07/23/12	JL	E160.3
Extraction for PCB	Completed			07/23/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.38	mg/Kg	07/25/12	MH	3540C/8082
PCB-1221	ND	0.38	mg/Kg	07/25/12	MH	3540C/8082
PCB-1232	ND	0.38	mg/Kg	07/25/12	MH	3540C/8082
PCB-1242	ND	0.38	mg/Kg	07/25/12	MH	3540C/8082
PCB-1248	ND	0.38	mg/Kg	07/25/12	MH	3540C/8082
PCB-1254	2.1	0.38	mg/Kg	07/25/12	MH	3540C/8082
PCB-1260	ND	0.38	mg/Kg	07/25/12	MH	3540C/8082
PCB-1262	ND	0.38	mg/Kg	07/25/12	MH	3540C/8082
PCB-1268	ND	0.38	mg/Kg	07/25/12	MH	3540C/8082
QA/QC Surrogates						
% DCBP	72		%	07/25/12	MH	30 - 150 %
% TCMX	90		%	07/25/12	MH	30 - 150 %

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Client ID: N-52 (1-2)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

July 30, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:07/20/129:00Location Code:LBG-PCBReceived by:SW07/23/1216:17

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data

SDG ID: GBC14045

Phoenix ID: BC14051

Project ID: SATIN
Client ID: N-51 (1-2)

P.O.#:

RL/

		KL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	92		%	07/23/12	JL	E160.3
Extraction for PCB	Completed			07/23/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.36	mg/Kg	07/25/12	МН	3540C/8082
PCB-1221	ND	0.36	mg/Kg	07/25/12	MH	3540C/8082
PCB-1232	ND	0.36	mg/Kg	07/25/12	MH	3540C/8082
PCB-1242	ND	0.36	mg/Kg	07/25/12	MH	3540C/8082
PCB-1248	ND	0.36	mg/Kg	07/25/12	MH	3540C/8082
PCB-1254	*	0.36	mg/Kg	07/25/12	MH	3540C/8082
PCB-1260	*	0.36	mg/Kg	07/25/12	MH	3540C/8082
PCB-1262	ND	0.36	mg/Kg	07/25/12	MH	3540C/8082
PCB-1268	ND	0.36	mg/Kg	07/25/12	MH	3540C/8082
Total PCBs	2.5	0.36	mg/Kg	07/25/12	MH	3540C/8082
QA/QC Surrogates						
% DCBP	96		%	07/25/12	MH	30 - 150 %
% TCMX	101		%	07/25/12	MH	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BC14051
Client ID: N-51 (1-2)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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^{*} For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1254 and 1260.



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Analysis Report

July 30, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:07/20/129:10Location Code:LBG-PCBReceived by:SW07/23/1216:17

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBC14045

Phoenix ID: BC14052

Project ID: SATIN
Client ID: N-50 (1-2)

RL/

		IXL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	90		%	07/23/12	JL	E160.3
Extraction for PCB	Completed			07/23/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.36	mg/Kg	07/25/12	МН	3540C/8082
PCB-1221	ND	0.36	mg/Kg	07/25/12	MH	3540C/8082
PCB-1232	ND	0.36	mg/Kg	07/25/12	MH	3540C/8082
PCB-1242	ND	0.36	mg/Kg	07/25/12	MH	3540C/8082
PCB-1248	ND	0.36	mg/Kg	07/25/12	MH	3540C/8082
PCB-1254	ND	0.36	mg/Kg	07/25/12	MH	3540C/8082
PCB-1260	ND	0.36	mg/Kg	07/25/12	MH	3540C/8082
PCB-1262	ND	0.36	mg/Kg	07/25/12	MH	3540C/8082
PCB-1268	ND	0.36	mg/Kg	07/25/12	MH	3540C/8082
QA/QC Surrogates						
% DCBP	92		%	07/25/12	MH	30 - 150 %
% TCMX	86		%	07/25/12	MH	30 - 150 %

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Client ID: N-50 (1-2)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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July 30, 2012

FOR: Attn: Mr. Darrick Jones

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6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:07/20/129:15Location Code:LBG-PCBReceived by:SW07/23/1216:17

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBC14045

Phoenix ID: BC14053

Project ID: SATIN

Client ID: N-48 (.3-1.0)

RL/ **PQL** Units Date/Time Parameter Result By Reference Percent Solid 91 % 07/23/12 E160.3 JL Extraction for PCB Completed 07/23/12 BB/K SW3540C PCB (Soxhlet) PCB-1016 ND 0.36 07/25/12 MH 3540C/8082 mg/Kg PCB-1221 ND 0.36 07/25/12 MH 3540C/8082 mg/Kg PCB-1232 07/25/12 3540C/8082 ND 0.36 mg/Kg MH PCB-1242 ND 0.36 07/25/12 3540C/8082 mg/Kg 07/25/12 3540C/8082 PCB-1248 ND 0.36 mg/Kg MH PCB-1254 ND 0.36 mg/Kg 07/25/12 MH 3540C/8082 ND 07/25/12 3540C/8082 PCB-1260 0.36 mg/Kg МН 3540C/8082 PCB-1262 ND 0.36 07/25/12 МН mg/Kg PCB-1268 ND 0.36 mg/Kg 07/25/12 MH 3540C/8082 **QA/QC Surrogates** % DCBP 92 % 07/25/12 MH 30 - 150 % 86 % 07/25/12 MH 30 - 150 % % TCMX

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Client ID: N-48 (.3-1.0)

RL/

Parameter Result PQL Units Date/Time By Reference

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Analysis Report

July 30, 2012

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6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:07/20/129:17Location Code:LBG-PCBReceived by:SW07/23/1216:17

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBC14045

Phoenix ID: BC14054

Project ID: SATIN
Client ID: N-47 (.3-.6)

RL/ **PQL** Units Date/Time Parameter Result By Reference Percent Solid 95 % 07/23/12 E160.3 JL Extraction for PCB Completed 07/23/12 BB/K SW3540C PCB (Soxhlet) PCB-1016 ND 0.34 07/25/12 MH 3540C/8082 mg/Kg PCB-1221 ND 0.34 07/25/12 MH 3540C/8082 mg/Kg PCB-1232 07/25/12 3540C/8082 ND 0.34 mg/Kg MH PCB-1242 ND 0.34 07/25/12 3540C/8082 mg/Kg 07/25/12 3540C/8082 PCB-1248 ND 0.34 mg/Kg MH PCB-1254 ND 0.34 mg/Kg 07/25/12 MH 3540C/8082 07/25/12 3540C/8082 PCB-1260 0.38 0.34 mg/Kg МН 3540C/8082 PCB-1262 ND 0.34 07/25/12 МН mg/Kg PCB-1268 ND 0.34 mg/Kg 07/25/12 MH 3540C/8082 **QA/QC Surrogates** % DCBP 90 % 07/25/12 MH 30 - 150 % 82 % 07/25/12 MH 30 - 150 % % TCMX

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Client ID: N-47 (.3-.6)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

July 30, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:07/20/129:18Location Code:LBG-PCBReceived by:SW07/23/1216:17

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBC14045

Phoenix ID: BC14055

Project ID: SATIN Client ID: N-47 (1-2)

RL/ **PQL** Units Date/Time Parameter Result By Reference Percent Solid 89 % 07/23/12 E160.3 JL Extraction for PCB Completed 07/23/12 BB/K SW3540C PCB (Soxhlet) PCB-1016 ND 07/24/12 ΑW 3540C/8082 0.37 mg/Kg PCB-1221 ND 0.37 07/24/12 AW 3540C/8082 mg/Kg PCB-1232 07/24/12 3540C/8082 ND 0.37 mg/Kg AW PCB-1242 ND 0.37 07/24/12 ΑW 3540C/8082 mg/Kg 07/24/12 3540C/8082 PCB-1248 ND 0.37 mg/Kg ΑW 07/24/12 3540C/8082 PCB-1254 ND 0.37 mg/Kg AW ND 07/24/12 3540C/8082 PCB-1260 0.37 mg/Kg AW 3540C/8082 PCB-1262 ND 0.37 07/24/12 AW mg/Kg PCB-1268 ND 0.37 mg/Kg 07/24/12 ΑW 3540C/8082 **QA/QC Surrogates** 07/24/12 % DCBP 77 % AW 30 - 150 % 83 % 07/24/12 AW 30 - 150 % % TCMX

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Client ID: N-47 (1-2)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 30, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:07/20/129:19Location Code:LBG-PCBReceived by:SW07/23/1216:17

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBC14045

Phoenix ID: BC14056

Project ID: SATIN
Client ID: N-47 (2-3)

RL/

		IXL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	88		%	07/23/12	JL	E160.3
Extraction for PCB	Completed			07/23/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.37	mg/Kg	07/25/12	МН	3540C/8082
PCB-1221	ND	0.37	mg/Kg	07/25/12	MH	3540C/8082
PCB-1232	ND	0.37	mg/Kg	07/25/12	MH	3540C/8082
PCB-1242	ND	0.37	mg/Kg	07/25/12	MH	3540C/8082
PCB-1248	ND	0.37	mg/Kg	07/25/12	MH	3540C/8082
PCB-1254	ND	0.37	mg/Kg	07/25/12	MH	3540C/8082
PCB-1260	1.6	0.37	mg/Kg	07/25/12	MH	3540C/8082
PCB-1262	ND	0.37	mg/Kg	07/25/12	MH	3540C/8082
PCB-1268	ND	0.37	mg/Kg	07/25/12	MH	3540C/8082
QA/QC Surrogates						
% DCBP	100		%	07/25/12	MH	30 - 150 %
% TCMX	84		%	07/25/12	MH	30 - 150 %

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Client ID: N-47 (2-3)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

July 30, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:07/20/129:25Location Code:LBG-PCBReceived by:SW07/23/1216:17

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBC14045

Phoenix ID: BC14057

Project ID: SATIN

Client ID: N-59 (.6-1.0)

RL/ **PQL** Units Date/Time Parameter Result Βv Reference Percent Solid 91 % 07/23/12 E160.3 JL Extraction for PCB Completed 07/23/12 BB/K SW3540C PCB (Soxhlet) PCB-1016 ND 8.9 07/26/12 ΑW 3540C/8082 mg/Kg PCB-1221 ND 8.9 07/26/12 AW 3540C/8082 mg/Kg PCB-1232 ND 07/26/12 3540C/8082 8.9 mg/Kg AW PCB-1242 ND 8.9 07/26/12 ΑW 3540C/8082 mg/Kg 07/26/12 3540C/8082 PCB-1248 8.9 mg/Kg ΑW 07/26/12 3540C/8082 PCB-1254 ND 8.9 mg/Kg AW 07/26/12 3540C/8082 PCB-1260 8.9 mg/Kg ΑW PCB-1262 ND 8.9 07/26/12 AW 3540C/8082 mg/Kg PCB-1268 ND 8.9 mg/Kg 07/26/12 ΑW 3540C/8082 **Total PCBs** 27 07/26/12 3540C/8082 8.9 mg/Kg AW **QA/QC Surrogates** Diluted Out 07/26/12 AW 30 - 150 % % DCBP % Diluted Out % 07/26/12 ΑW 30 - 150 % % TCMX

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Client ID: N-59 (.6-1.0)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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^{*} For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1260.



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Analysis Report

July 30, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:07/20/129:30Location Code:LBG-PCBReceived by:SW07/23/1216:17

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBC14045 Phoenix ID: BC14058

Project ID: SATIN

Client ID: N-79 (0-0.6)

RL/ **PQL** Units Date/Time Parameter Result Βv Reference Percent Solid 93 % 07/23/12 JL E160.3 Extraction for PCB Completed 07/23/12 BB/K SW3540C PCB (Soxhlet) PCB-1016 ND 07/25/12 MH 3540C/8082 1.7 mg/Kg PCB-1221 ND 1.7 07/25/12 MH 3540C/8082 mg/Kg PCB-1232 ND 07/25/12 3540C/8082 1.7 mg/Kg MH PCB-1242 ND 1.7 07/25/12 МН 3540C/8082 mg/Kg 07/25/12 3540C/8082 PCB-1248 1.7 mg/Kg MH 3540C/8082 PCB-1254 1.7 mg/Kg 07/25/12 MH 07/25/12 3540C/8082 PCB-1260 1.7 mg/Kg МН PCB-1262 ND 1.7 07/25/12 МН 3540C/8082 mg/Kg PCB-1268 ND 1.7 mg/Kg 07/25/12 МН 3540C/8082 **Total PCBs** 10 07/25/12 3540C/8082 1.7 mg/Kg MH **QA/QC Surrogates** Diluted Out 07/25/12 MH 30 - 150 % % DCBP % Diluted Out % 07/25/12 МН 30 - 150 % % TCMX

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Project ID: SATIN Phoenix I.D.: BC14058
Client ID: N-79 (0-0.6)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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^{*} For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254 and 1260.



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Analysis Report

July 30, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:07/20/129:35Location Code:LBG-PCBReceived by:SW07/23/1216:17

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data

SDG ID: GBC14045

Phoenix ID: BC14059

Project ID: SATIN
Client ID: N-76 (0-.3)

P.O.#:

RL/ **PQL** Units Date/Time Parameter Result By Reference Percent Solid 94 % 07/23/12 E160.3 JL Extraction for PCB Completed 07/23/12 BB/K SW3540C PCB (Soxhlet) PCB-1016 ND 0.35 07/25/12 MH 3540C/8082 mg/Kg PCB-1221 ND 0.35 07/25/12 MH 3540C/8082 mg/Kg PCB-1232 07/25/12 3540C/8082 ND 0.35 mg/Kg MH PCB-1242 ND 0.35 07/25/12 3540C/8082 mg/Kg 07/25/12 3540C/8082 PCB-1248 ND 0.35 mg/Kg MH PCB-1254 ND 0.35 mg/Kg 07/25/12 MH 3540C/8082 07/25/12 3540C/8082 PCB-1260 0.99 0.35 mg/Kg МН 3540C/8082 PCB-1262 ND 0.35 07/25/12 МН mg/Kg PCB-1268 ND 0.35 mg/Kg 07/25/12 МН 3540C/8082 **QA/QC Surrogates** % DCBP 90 % 07/25/12 MH 30 - 150 % 80 % 07/25/12 MH 30 - 150 % % TCMX

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Client ID: N-76 (0-.3)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

July 30, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:07/20/129:50Location Code:LBG-PCBReceived by:SW07/23/1216:17

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBC14045

Phoenix ID: BC14060

Project ID: SATIN
Client ID: N-96 (0-.6)

RL/ Parameter **PQL** Units Date/Time Result By Reference Percent Solid 93 % 07/23/12 JL E160.3 Extraction for PCB BB/K SW3540C Completed 07/23/12 PCB (Soxhlet) PCB-1016 ND 0.36 07/24/12 AW 3540C/8082 mg/Kg PCB-1221 ND 07/24/12 3540C/8082 0.36 ma/Ka AW

1 CD-1221	ND	0.50	mg/rxg	01/24/12	~~~	33400/0002
PCB-1232	ND	0.36	mg/Kg	07/24/12	AW	3540C/8082
PCB-1242	ND	0.36	mg/Kg	07/24/12	AW	3540C/8082
PCB-1248	ND	0.36	mg/Kg	07/24/12	AW	3540C/8082
PCB-1254	ND	0.36	mg/Kg	07/24/12	AW	3540C/8082
PCB-1260	1.3	0.36	mg/Kg	07/24/12	AW	3540C/8082
PCB-1262	ND	0.36	mg/Kg	07/24/12	AW	3540C/8082
PCB-1268	ND	0.36	mg/Kg	07/24/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	80		%	07/24/12	AW	30 - 150 %
% TCMX	86		%	07/24/12	AW	30 - 150 %

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Client ID: N-96 (0-.6)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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July 30, 2012

FOR: Attn: Mr. Darrick Jones

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6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:07/20/1210:55Location Code:LBG-PCBReceived by:SW07/23/1216:17

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBC14045

Phoenix ID: BC14061

Project ID: SATIN

Client ID: N-150 (0-.5)

RL/ **PQL** Units Date/Time Parameter Result By Reference Percent Solid 92 % 07/23/12 E160.3 JL Extraction for PCB Completed 07/23/12 BB/K SW3540C PCB (Soxhlet) PCB-1016 ND 0.36 07/24/12 ΑW 3540C/8082 mg/Kg PCB-1221 ND 0.36 07/24/12 ΑW 3540C/8082 mg/Kg PCB-1232 07/24/12 3540C/8082 ND 0.36 mg/Kg AW PCB-1242 ND 0.36 07/24/12 ΑW 3540C/8082 mg/Kg 07/24/12 3540C/8082 PCB-1248 ND 0.36 mg/Kg ΑW PCB-1254 ND 0.36 mg/Kg 07/24/12 AW 3540C/8082 ND 07/24/12 3540C/8082 PCB-1260 0.36 mg/Kg AW 3540C/8082 PCB-1262 ND 0.36 07/24/12 AW mg/Kg PCB-1268 ND 0.36 mg/Kg 07/24/12 ΑW 3540C/8082 **QA/QC Surrogates** 07/24/12 % DCBP 79 % AW 30 - 150 % 78 % 07/24/12 AW 30 - 150 % % TCMX

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Client ID: N-150 (0-.5)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

July 30, 2012

FOR: Attn: Mr. Darrick Jones

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6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:07/20/1210:56Location Code:LBG-PCBReceived by:SW07/23/1216:17

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBC14045

Phoenix ID: BC14062

Project ID: SATIN

Client ID: N-150 (.5-1.0)

RL/ **PQL** Units Date/Time Parameter Result By Reference Percent Solid 91 % 07/23/12 E160.3 JL Extraction for PCB Completed 07/23/12 BB/K SW3540C PCB (Soxhlet) PCB-1016 ND 0.36 07/24/12 ΑW 3540C/8082 mg/Kg PCB-1221 ND 0.36 07/24/12 ΑW 3540C/8082 mg/Kg PCB-1232 07/24/12 3540C/8082 ND 0.36 mg/Kg AW PCB-1242 ND 0.36 07/24/12 ΑW 3540C/8082 mg/Kg 07/24/12 3540C/8082 PCB-1248 ND 0.36 mg/Kg ΑW PCB-1254 ND 0.36 mg/Kg 07/24/12 AW 3540C/8082 ND 07/24/12 3540C/8082 PCB-1260 0.36 mg/Kg AW 3540C/8082 PCB-1262 ND 0.36 07/24/12 AW mg/Kg PCB-1268 ND 0.36 mg/Kg 07/24/12 ΑW 3540C/8082 **QA/QC Surrogates** 07/24/12 % DCBP 79 % AW 30 - 150 % 30 - 150 % 83 % 07/24/12 AW % TCMX

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Client ID: N-150 (.5-1.0)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

July 30, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:07/20/1210:57Location Code:LBG-PCBReceived by:SW07/23/1216:17

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBC14045

Phoenix ID: BC14063

Project ID: SATIN
Client ID: N-150 (1-2)

RL/

		KL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	92		%	07/23/12	JL	E160.3
Extraction for PCB	Completed			07/23/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/Kg	07/25/12	AW	3540C/8082
PCB-1221	ND	0.35	mg/Kg	07/25/12	AW	3540C/8082
PCB-1232	ND	0.35	mg/Kg	07/25/12	AW	3540C/8082
PCB-1242	ND	0.35	mg/Kg	07/25/12	AW	3540C/8082
PCB-1248	ND	0.35	mg/Kg	07/25/12	AW	3540C/8082
PCB-1254	ND	0.35	mg/Kg	07/25/12	AW	3540C/8082
PCB-1260	ND	0.35	mg/Kg	07/25/12	AW	3540C/8082
PCB-1262	ND	0.35	mg/Kg	07/25/12	AW	3540C/8082
PCB-1268	ND	0.35	mg/Kg	07/25/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	92		%	07/25/12	AW	30 - 150 %
% TCMX	83		%	07/25/12	AW	30 - 150 %

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Client ID: N-150 (1-2)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

July 30, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:07/20/1210:58Location Code:LBG-PCBReceived by:SW07/23/1216:17

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBC14045

Phoenix ID: BC14064

Project ID: SATIN
Client ID: N-150 (2-3)

RL/ **PQL** Units Date/Time Parameter Result By Reference Percent Solid 90 % 07/23/12 E160.3 JL Extraction for PCB Completed 07/23/12 BB/K SW3540C PCB (Soxhlet) PCB-1016 ND 07/25/12 ΑW 3540C/8082 0.37 mg/Kg PCB-1221 ND 0.37 07/25/12 ΑW 3540C/8082 mg/Kg PCB-1232 07/25/12 3540C/8082 ND 0.37 mg/Kg AW PCB-1242 ND 0.37 07/25/12 ΑW 3540C/8082 mg/Kg 07/25/12 3540C/8082 PCB-1248 ND 0.37 mg/Kg ΑW PCB-1254 ND 0.37 mg/Kg 07/25/12 AW 3540C/8082 ND 07/25/12 3540C/8082 PCB-1260 0.37 mg/Kg AW 3540C/8082 PCB-1262 ND 0.37 07/25/12 AW mg/Kg PCB-1268 ND 0.37 mg/Kg 07/25/12 ΑW 3540C/8082 **QA/QC Surrogates** 07/25/12 % DCBP 93 % AW 30 - 150 % 70 % 07/25/12 AW 30 - 150 % % TCMX

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Client ID: N-150 (2-3)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Analysis Report

July 30, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:07/20/1211:10Location Code:LBG-PCBReceived by:SW07/23/1216:17

Rush Request: Standard Analyzed by: see "By" below

P.O.#:

<u>Laboratory Data</u> SDG ID: GBC14045

Phoenix ID: BC14065

Project ID: SATIN

Client ID: N-150 (5-6)

		RL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	93		%	07/23/12	JL	E160.3
Extraction for PCB	Completed			07/23/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/Kg	07/25/12	AW	3540C/8082
PCB-1221	ND	0.35	mg/Kg	07/25/12	AW	3540C/8082
PCB-1232	ND	0.35	mg/Kg	07/25/12	AW	3540C/8082
PCB-1242	ND	0.35	mg/Kg	07/25/12	AW	3540C/8082
PCB-1248	ND	0.35	mg/Kg	07/25/12	AW	3540C/8082
PCB-1254	ND	0.35	mg/Kg	07/25/12	AW	3540C/8082
PCB-1260	1.1	0.35	mg/Kg	07/25/12	AW	3540C/8082
PCB-1262	ND	0.35	mg/Kg	07/25/12	AW	3540C/8082
PCB-1268	ND	0.35	mg/Kg	07/25/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	94		%	07/25/12	AW	30 - 150 %
% TCMX	88		%	07/25/12	AW	30 - 150 %

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Client ID: N-150 (5-6)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

July 30, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:07/20/1211:11Location Code:LBG-PCBReceived by:SW07/23/1216:17

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBC14045

Phoenix ID: BC14066

Project ID: SATIN
Client ID: N-150 (6-7)

RI /

		KL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	79		%	07/23/12	JL	E160.3
Extraction for PCB	Completed			07/23/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.42	mg/Kg	07/25/12	AW	3540C/8082
PCB-1221	ND	0.42	mg/Kg	07/25/12	AW	3540C/8082
PCB-1232	ND	0.42	mg/Kg	07/25/12	AW	3540C/8082
PCB-1242	ND	0.42	mg/Kg	07/25/12	AW	3540C/8082
PCB-1248	ND	0.42	mg/Kg	07/25/12	AW	3540C/8082
PCB-1254	ND	0.42	mg/Kg	07/25/12	AW	3540C/8082
PCB-1260	ND	0.42	mg/Kg	07/25/12	AW	3540C/8082
PCB-1262	ND	0.42	mg/Kg	07/25/12	AW	3540C/8082
PCB-1268	ND	0.42	mg/Kg	07/25/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	88		%	07/25/12	AW	30 - 150 %
% TCMX	65		%	07/25/12	AW	30 - 150 %

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Client ID: N-150 (6-7)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

July 30, 2012

Reviewed and Released by: Bobbi Aloisa, Vice President

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 30, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:07/20/1211:12Location Code:LBG-PCBReceived by:SW07/23/1216:17

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBC14045

Phoenix ID: BC14067

Project ID: SATIN
Client ID: N-150 (7-8)

RL/

		IXL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	69		%	07/23/12	JL	E160.3
Extraction for PCB	Completed			07/23/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.48	mg/Kg	07/25/12	AW	3540C/8082
PCB-1221	ND	0.48	mg/Kg	07/25/12	AW	3540C/8082
PCB-1232	ND	0.48	mg/Kg	07/25/12	AW	3540C/8082
PCB-1242	ND	0.48	mg/Kg	07/25/12	AW	3540C/8082
PCB-1248	ND	0.48	mg/Kg	07/25/12	AW	3540C/8082
PCB-1254	ND	0.48	mg/Kg	07/25/12	AW	3540C/8082
PCB-1260	ND	0.48	mg/Kg	07/25/12	AW	3540C/8082
PCB-1262	ND	0.48	mg/Kg	07/25/12	AW	3540C/8082
PCB-1268	ND	0.48	mg/Kg	07/25/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	84		%	07/25/12	AW	30 - 150 %
% TCMX	92		%	07/25/12	AW	30 - 150 %

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Client ID: N-150 (7-8)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

July 30, 2012

Reviewed and Released by: Bobbi Aloisa, Vice President

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 30, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:07/20/1211:13Location Code:LBG-PCBReceived by:SW07/23/1216:17

Rush Request: Standard Analyzed by: see "By" below

P.O.#:

<u>Laboratory Data</u> SDG ID: GBC14045

Phoenix ID: BC14068

Project ID: SATIN
Client ID: N-150 (8-9)

RL/

		KL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	89		%	07/23/12	JL	E160.3
Extraction for PCB	Completed			07/23/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.37	mg/Kg	07/25/12	AW	3540C/8082
PCB-1221	ND	0.37	mg/Kg	07/25/12	AW	3540C/8082
PCB-1232	ND	0.37	mg/Kg	07/25/12	AW	3540C/8082
PCB-1242	ND	0.37	mg/Kg	07/25/12	AW	3540C/8082
PCB-1248	ND	0.37	mg/Kg	07/25/12	AW	3540C/8082
PCB-1254	ND	0.37	mg/Kg	07/25/12	AW	3540C/8082
PCB-1260	ND	0.37	mg/Kg	07/25/12	AW	3540C/8082
PCB-1262	ND	0.37	mg/Kg	07/25/12	AW	3540C/8082
PCB-1268	ND	0.37	mg/Kg	07/25/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	91		%	07/25/12	AW	30 - 150 %
% TCMX	86		%	07/25/12	AW	30 - 150 %

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Client ID: N-150 (8-9)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

July 30, 2012

Reviewed and Released by: Bobbi Aloisa, Vice President

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QA/QC Report

July 30, 2012

Parameter

QA/QC Data

LCS

LCSD

%

LCS

RPD

MS

%

MSD

%

SDG I.D.: GBC14045

Rec

Limits

RPD

Limits

MS

RPD

QA/QC Batch 205417, QC Sar	mple No: BC14048 (BC140	45, BC14046, BC1	4047, E	3C14048	8)				
Polychlorinated Biphen	yls - Solid								
PCB-1016	ND	84	83	1.2	85	90	5.7	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	86	83	3.6	*	*	NC	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	83	80	75	6.5	94	94	0.0	30 - 150	30
% TCMX (Surrogate Rec)	78	84	85	1.2	90	98	8.5	30 - 150	30
Comment:									
within QA/QC limits. QA/QC Batch 205436, QC Sai BC14056, BC14057, BC14058 BC14068)									
Polychlorinated Biphen	yls - Solid								
PCB-1016	ND	77	79	2.6	70	80	13.3	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	85	89	4.6	88	83	5.8	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	95	94	94	0.0	83	79	4.9	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

92

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

% TCMX (Surrogate Rec)

MS Dup - Matrix Spike Duplicate

NC - No Criteria Intf - Interference Phyllis/Shiller, Laboratory Director

July 30, 2012

3.4

74

87

16.1

30 - 150

30

86

89

Monday, July 30, 2012 Sample Criteria Exceedences Report

GBC14045 - LBG-PCB

RL

Analysis

State: CT

Requested Criteria: GBM, RC

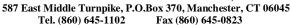
SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	Criteria	Units
BC14049	\$PCB_SOXR	PCB-1260	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	3000	350	1000	1000	ug/Kg
BC14050	\$PCB_SOXR	PCB-1254	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	2100	380	1000	1000	ug/Kg
BC14051	\$PCB_SOXR	Total PCBs	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	2500	360	1000	1000	ug/Kg
BC14056	\$PCB_SOXR	PCB-1260	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	1600	370	1000	1000	ug/Kg
BC14057	\$PCB_SOXR	PCB-1016	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	8900	1000	1000	ug/Kg
BC14057	\$PCB_SOXR	PCB-1221	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	8900	1000	1000	ug/Kg
BC14057	\$PCB_SOXR	PCB-1232	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	8900	1000	1000	ug/Kg
BC14057	\$PCB_SOXR	PCB-1242	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	8900	1000	1000	ug/Kg
BC14057	\$PCB_SOXR	PCB-1248	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	*	8900	1000	1000	ug/Kg
BC14057	\$PCB_SOXR	PCB-1254	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	8900	1000	1000	ug/Kg
BC14057	\$PCB_SOXR	PCB-1260	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	*	8900	1000	1000	ug/Kg
BC14057	\$PCB_SOXR	PCB-1262	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	8900	1000	1000	ug/Kg
BC14057	\$PCB_SOXR	PCB-1268	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	8900	1000	1000	ug/Kg
BC14057	\$PCB_SOXR	Total PCBs	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	27000	8900	1000	1000	ug/Kg
BC14058	\$PCB_SOXR	PCB-1016	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BC14058	\$PCB_SOXR	PCB-1221	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BC14058	\$PCB_SOXR	PCB-1232	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BC14058	\$PCB_SOXR	PCB-1242	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BC14058	\$PCB_SOXR	PCB-1248	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	*	1700	1000	1000	ug/Kg
BC14058	\$PCB_SOXR	PCB-1254	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	*	1700	1000	1000	ug/Kg
BC14058	\$PCB_SOXR	PCB-1260	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	*	1700	1000	1000	ug/Kg
BC14058	\$PCB_SOXR	PCB-1262	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BC14058	\$PCB_SOXR	PCB-1268	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BC14058	\$PCB_SOXR	Total PCBs	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	10000	1700	1000	1000	ug/Kg
BC14060	\$PCB_SOXR	PCB-1260	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	1300	360	1000	1000	ug/Kg
BC14065	\$PCB_SOXR	PCB-1260	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	1100	350	1000	1000	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. Client: LBG-PCB Project Location: SATIN **Project Number:** Laboratory Sample ID(s): BC14045, BC14046, BC14047, BC14048, BC14049, BC14050, BC14051, BC14052, BC14053, BC14054, BC14055, BC14056, BC14057, BC14058, BC14059, BC14060, BC14061, BC14062, BC14063, BC14064, BC14065, BC14066, BC14067, BC14068 **Sampling Date(s):** 7/20/2012 **RCP Methods Used:** ☐ 1311/1312
☐ 6010 7000 7196 7470/7471 8081 ☐ EPH TO15 **✓** 8082 8270 9010/9012 □ VPH 8151 8260 ETPH For each analytical method referenced in this laboratory report package, were all ✓ Yes □ No specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP methodspecific Reasonable Confidence Protocol documents? Were the method specified preservation and holding time requirements met? ✓ Yes □ No EPH and VPH methods only: Was the VPH or EPH method conducted without 1b. ☐ Yes ☐ No **✓** NA significant modifications (see section 11.3 of respective RCP methods) 2. Were all samples received by the laboratory in a condition consistent with that ✓ Yes No. described on the associated Chain-of-Custody document(s)? Were samples received at an appropriate temperature (< 6 Degrees C)? 3. ✓ Yes □ No □ NA Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol 4. ✓ Yes □ No documents achieved? Were reporting limits specified or referenced on the chain-of-custody? 5a. ✓ Yes No. Were these reporting limits met? 5b. □ NA ☐ Yes ✓ No For each analytical method referenced in this laboratory report package, were results 6. ✓ Yes No □ NA reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents? Are project-specific matrix spikes and laboratory duplicates included in the data set? 7. ✓ Yes □ No □ NA Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. Date: Monday, July 30, 2012 Authorized Printed Name: Maryam Taylor Signature: Position: Project Manager







RCP Certification Report

July 30, 2012

SDG I.D.: GBC14045

Not all constituents met requested criteria due to the presence of target and non target compounds causing a necessary dilution.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd35 07/25/12-1 (BC14063, BC14064, BC14065, BC14066, BC14067,

BC14068)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner Position: Chemist 7/25/2012

Instrument: Au-ecd5 07/25/12-1 (BC14049, BC14050, BC14051, BC14052, BC14053, BC14054,

BC14056, BC14058, BC14059)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist 7/25/2012

Instrument: Au-ecd6 07/26/12-1 (BC14045, BC14046)

8082 Narration:

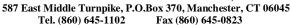
The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist 7/26/2012

Instrument: Au-ecd8 07/24/12-1 (BC14055, BC14060, BC14061, BC14062)







RCP Certification Report

July 30, 2012

SDG I.D.: GBC14045

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner **Position:** Chemist Date: 7/24/2012

OC Comments: QC Batch 05417 07/23/12 (BC14045, BC14046, BC14047, BC14048)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QC (Site Specific)

---- Sample No: BC14048, QA/QC Batch: 205417 -----All LCS recoveries were within 40 - 140 with the following exceptions: None. All LCSD recoveries were within 40 - 140 with the following exceptions: None. All LCS/LCSD RPDs were less than 30% with the following exceptions: None. All MS recoveries were within 40 - 140 with the following exceptions: None. All MSD recoveries were within 40 - 140 with the following exceptions: None. All MS/MSD RPDs were less than 30% with the following exceptions: None. ----- Sample No: BC14068, QA/QC Batch: 205436 -----All LCS recoveries were within 40 - 140 with the following exceptions: None. All LCSD recoveries were within 40 - 140 with the following exceptions: None. All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

Temito Pg/of6 Temito Pg/of6 ery: Dismes on the chic on	Project P.O: Phone #: Fax #:	\$ 62, 14 60; 14	0							GW-3 S-1 Data Package S-2 Tier II Checklist S-3 MWRA eSMART Other Other	* SURCHARGE APPLIES
06040 Data Delivery: ☐ Fax #:	Joine		10 10 10 10 10 10 10 10 10 10 10 10 10 1	4				>	CI X RCP Cert GW Protection SW Protection	GA Mobility R GB Mobility R Residential DEC 1/C DEC	State where samples were collected:
CHAIN OF CUSTODY RECORD 587 East Middle Turnpike, P.O. Box 370. Manchester, CT 06040 Email: info@phoenixlabs.com Fax (860) 645-0823 Client Services (860) 645-8726	Se tin De-rick	Si S							Time: RI	Other S*	E APPLIES
CHAIN OF CUSTC 587 East Middle Turnpike, P.O. Box Email: info@phoenxlabs.com Client Services (8)	Project: Report to: Invoice to:	Date: 7-20-12. Request	Time	750 X 750 X	820	845	910	4 g a g	Date: (12)	Turnaround: 1 1 Day* 2 2 Days* 3 3 Days*	Cuss.
MIX Control Luboratories, Inc.	6 Executive Drive Farmington, CT	Sampler's Signature Signature Matrix Code: Date: 7.0-1: DW=Drinking Water GW=Ground Water SW=Surface Water Ww=Waste Water SE=Sediment SL=Sludge S=Soil/Solid W=Wipe 0=Other	Sample	0-6	N-42(1-2) N-42(1-2)	N-52(1-2)		N-47(1.3.0)	Accepted by:	rements or Regulations: (D- D. Cle) Out Sendies	ermeterie Over
PHOEWN Enrironmental Luboral	Customer: 6 Address: 6	Sampler's Signature Matrix Code: DW=Drinking Water GW=C	ਹੱ <u>ਨ</u>	0.505 1005 1005 1005	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	14000	1400 P	1007 1007		Comments, Special Requirements or Regulations: * N-166 (0-5.0e)	Sox year

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Pg Z of 6	45.41						THOO EOS	1400	28/1408/15/2		100 01 10 10 10 10 10 10 10 10 10 10 10														Data Format	Excel	GIS/Key	☐ EQuIS	Data Package	Tier II Checklist	Phoenix Std Report	* SURCHARGE APPLIES
Temp (p	Data Delivery:		Project P.O:	Phone #:	Fax #:				SS ST COUNTRY	10000 1	1 2 day 70 2 1100 110 110 110 110 110 110 110 110	\$ 10 10 W 10 15													MA	MCP Certification	Gw-2	☐ GW-3		7-7-7-8-7-8-7-8-7-8-7-8-7-8-7-8-7-8-7-8	☐ MWRA eSMART	cted: Cf
				كعناط								1,105	į,											<u>۱</u>		<u>K</u>	SW Protection	GA Mobility	GB Mobility	Residential DEC	Other	State where samples were collected:
CHAIN OF CUSTODY RECORD	East Middle Tumpike, P.O. Box 370, Manchester, CT 06040 Enail: info@phoenixlabs.com Fax (860) 645-0823 Client Services (860) 645-8726	22.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	Satin	رد	4	1/100	OKE														!				교	:95 Direct Exposure (Residential)	et Gw	Other				1 -
HAIN OF CUST	East Middle Tumpike, P.O. Box 370, Manchester, Email: info@phoenixlabs.com Fax (860) 645-8 Client Sarvices (860) 645-8726		Project:	_ Report to: _	Invoice to:			Rednest	+0;	1	125	$\overline{}$	X												Date: Time:	1/2/1/2 11	11 82/-	•	Turnaround:	1 Day*	3 Days*	
3	587 Easl Em			<u>ر</u>		ation	1	Date: 1-0-16		o=Other	T.	Sampled Sampled	7-2011 925	930	935	950	1055	1956	4-501	1058	0111	III	1112	V 1113		\	2					
		ratories, Inc.	TNC	Executive Dri	Fermington) CT	Client Samale - Information - Identification				DW=Drinking Water GW=Ground Water SW=Surrace Water WW=Waste Water SE=Sediment SL=Sludge S=Soil/Soild W=Wipe 0=Other	-	sample sample sation	3 (010)	(oo)	(0-(3)	(9-0)	(\$-\$)		(24)	(2-3)	(5.6)	<i>(</i> €-4)	(3-2)	(k-d)	Accepted by:	LX W	18 (32)		or Regulations:			
	OENI	Environmental Laborafories, Inc	er: 686, Inc		1	Client Samele			ie:	ng water GW =Ground went SL =Sludge S =		# Identification) bs-n /S		0	196-N Q90	1-150	N-150	03 N-150	1031-U Do	15 N-150	00 N-150	150 m-150	08 NV-150	X pa	1		7	Comments, Special Requirements or Regulations:			
	THE	Enrire	Customer:	Address:			Sampler's	Signature	Matrix Code:	SE=Sediment	Silve L	SAMPLE #	140S	14058	1000	140	a)oh((AOL)	Egot!	1406	140p	100	70,01	IVOL	Relinquished		\propto		Comments,		*Am =	

GBC 14045

Shannon - Phoenixlabs

From:

Sarah - Phoenixlabs [sarah@phoenixlabs.com]

Sent:

Monday, July 23, 2012 12:03 PM

To:

'Shannon - Phoenixlabs'; 'Lori - Phoenixlabs'

Subject:

FW: LBG - Satin - sample ID edit

Attachments: 20120723115728834.pdf

Sarah Bell Client Services Representative Phoenix Environmental Laboratories 587 East Middle Turnpike Manchester, CT 06040 Ph: 1-860-645-1102

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From: Melanie Sheperd [mailto:Msheperd@lbgct.com]

Sent: Monday, July 23, 2012 11:52 AM

To: sarah@phoenixlabs.com

Subject: LBG - Satin - sample ID edit

Hi Sarah,

See attached chain. Just one sample ID edit. It is the very first sample.

These samples were picked up from our Shelton office this morning.

Please contact me if you have any questions.

Thanks so much! Mel

Melanie Sheperd Senior Hydrogeologist Leggette, Brashears and Graham, Inc. 4 Research Drive, Suite 301 Shelton, CT 06484 P: 203-929-8555

F: 203-926-9140 C: 860-966-7000

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